

## A Guide program that promote Proactive learning in School trip - Practice at Toya-Usu UNESCO Global Geopark -

\*Hikaru Yokoyama<sup>1</sup>

1. Hokusho University

The area around Lake Toya in the southwestern part of Hokkaido was certified as a "Global Geopark" in 2009. This area is known as a place where you can not only enjoy the scenery and hot springs, but also learn about valuable geology and volcanic disaster prevention. Many schools visit the area as a place to visit for school trip, and in recent years, they have been seen learning outdoors as part of disaster prevention learning.

Now, the practice of "Proactive, Interactive and Deep learning" has been required in the field of education. Therefore, I wondered if it would be possible to provide a program that encourages students to learn independently even on school trips to Geoparks. So I assumed that the student would take the initiative in learning by changing from a learning style in which the guide "tells" to a style in which the student's "awareness of natural things / events" is valued.

Last year, I was able to practice this guide program in an elementary school's school trip. As a result of the practice, many children enjoyed "thinking" through quizzes and Interact based on the discovered events. In addition, a questionnaire one week later revealed that most of the tours left an impression on students. In this presentation, I will report on the programs that I practiced and how the students participated learned.

Part of this work was supported by JSPS KAKENHI Grant Number JP17K01041.

Keywords: Proactive, Interactive and Deep learning, School trip, Disaster prevention learning, Guide program